

9/6/99



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/831,440	05/09/2001	Andreas Berg	112740-168	4311

29177 7590 01/26/2004
BELL, BOYD & LLOYD, LLC
P. O. BOX 1135
CHICAGO, IL 60690-1135

EXAMINER

RAMPURIA, SHARAD K

ART UNIT	PAPER NUMBER
----------	--------------

2683

DATE MAILED: 01/26/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/831,440

Applicant(s)

BERG ET AL.

Examiner

Sharad K. Rampuria

Art Unit

2683

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04 December 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 12-23 is/are pending in the application.
- 4a) Of the above claim(s) 1-11 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 12-23 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

Response to Amendment

Applicant's arguments with respect to claims 12-23 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 12-14, 17-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nguyen in view of Jonsson.

12. Regarding Claim 12, Nguyen disclosed A method for implementing a call back service in a mobile radio network (Abstract), the method comprising the steps of:

analyzing the service call by the service control point, including information relating to the calling party and a called party (col.12; 5-19)

initiating a first call set-up to the calling party; and initiating a second call set-up to the called party. (col.12; 5-19)

Nguyen fails to disclosed transmitting a service call from a calling party, via a first mobile switching center in a first subnetwork, to a home location register in a second subnetwork; forwarding the service call by the home location register to a service control pointing in the second subnetwork. However, Joensuu teaches in an analogous art, that transmitting a service call from a calling party (90; fig. 1), via a first mobile switching center (120; fig. 1) in a first subnetwork, to a home location register in a second subnetwork; forwarding the service call by the home location register to a service control pointing in the second subnetwork. (Col.2; 38-66) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include transmitting a service call from a calling party, via a first mobile switching center in a first subnetwork, to a home location register in a second subnetwork; forwarding the service call by the home location register to a service control pointing in the second subnetwork in order to enable a subscriber to instruct a service node via a mobile station to effectuate a call connection between a PBX and calling party subscriber.

13. Regarding Claim 13, Nguyen disclosed all the particulars of the claim except the second subnetwork. However, Jonsson teaches in an analogous art, that A method for implementing a call back service in a mobile radio network as claimed in claim 12, wherein both the first and second call set-up are initiated by a second mobile switching center in the second subnetwork. (Col.2; 38-66) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include the second subnetwork in order to enable a subscriber to instruct a service node via a mobile station to effectuate a call connection between a PBX and calling party subscriber.

Art Unit: 2683

14. Regarding Claim 14, Nguyen disclosed A method for implementing a call back service in a mobile radio network as claimed in claim 13, the method further comprising:

 sending, via the service control point, a connection set-up request to the second switching center. (col.12; 5-19)

17. Regarding Claim 17, Nguyen disclosed A method for implementing a call back service in a mobile radio network as claimed in claim 12, the method further comprising the step of:

 acknowledging receipt of the service call to the calling party by the service control point.
(col.11; 52- col.12; 4)

18. Regarding Claim 18, Nguyen disclosed all the particulars of the claim except generating charging information via the second switching center upon successful call set-up. However, Jonsson teaches in an analogous art, that A method for implementing a call back service in a mobile radio network as claimed in claim 12, the method further comprising the step of:

 generating charging information via the second switching center upon successful call set-up. (col.3; 20-44) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include generating charging information via the second switching center upon successful call set-up in order to provide charges associated with a serving PBX.

19. Regarding Claim 19, Nguyen disclosed A method for implementing a call back service in a mobile radio network as claimed in claim 12, the method further comprising the step of:

Art Unit: 2683

ending the service call, which is an intelligent service call, in an ordered manner by the respective service upon an unsuccessful call set-up. (col.5; 50-65)

20. Regarding Claim 20, Nguyen disclosed A method for implementing a call back service in a mobile radio network as claimed in claim 12, the method further comprising the steps of: subscribing, by the subscriber, to a further intelligent network service; sending, via the service control point, a connection set-up request to the second switching center; and supplementing the connection set-up request by an identity of the further intelligent network service. (col.5; 50-65)

21. Regarding Claim 21, Nguyen disclosed A method for implementing a call back service in a mobile radio network as claimed in claim 12, the method further comprising the step of suppressing, at the service control point, intelligent network dialogues produced with respect to the call originally received as a mobile terminated call. (col.5; 48 – col.6; 38)

22. Regarding Claim 22, Nguyen disclosed A method for implementing a call back service in a mobile radio network as claimed in claim 20, the method further comprising the steps of: requesting a connection set-up to the called party after the successful connection set-up to the calling party; and supplementing a number originally dialed by an identity of the service control point responsible for the further intelligent network service. (col.12; 5-19)

Claims 15-16, & 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nguyen & Jonsson further in view Joensuu.

15. Regarding Claim 15, The above combination disclosed all the particulars of the claim except a header in the service call. However, Joensuu teaches in an analogous art, that A method for implementing a call back service in a mobile radio network as claimed in claim 12, the method further comprising the step of:

starting a function in the home location register by a header in the service call. (90; fig.2; col.4; 1-28) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include a header in the service call in order to provide originating the call utilizing USSD system.

16. Regarding Claim 16, The above combination disclosed A method for implementing a call back service in a mobile radio network as claimed in claim 15, wherein the service call is supplemented by a call number of the calling party by the home location register before being forwarded to the service control point. (col.12; 5-19)

23. Regarding Claim 23, The above combination disclosed A method for implementing a call back service in a mobile radio network (Abstract), the method comprising the steps of:

transmitting a service call from a calling party (46; fig.1), via a first mobile switching center (44; fig.1) in a first subnetwork, to a home location register (41; fig.1) in a second subnetwork; (35; fig.1; Col.11; 10-31)

Art Unit: 2683

analyzing the service call by the service control point, including information relating to the calling party and a called party (col.12; 5-19)

initiating a first call set-up to the calling party; and initiating a second call set-up to the called party. (col.12; 5-19)

Nguyen fails to disclosed an USSD string. However, Joensuu teaches in an analogous art, that expanding an USSD string, which is part of the service call, in the HLR and forwarding the service call with the expanded USSD string to a SCP (90; fig.2; col.4; 1-28) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include an USSD string in order to provide originating the call utilizing USSD system.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sharad Rampuria whose telephone number is 703-308-4736. The examiner can normally be reached on Mon-Thu. (8:15-5:45) alternate Fri.(8:15-4:45).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be reached on 703-308-5318. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9314 for regular communications and 703-872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-4700.

Sharad Rampuria
January 20, 2004



WILLIAM TROST
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600